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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/269,250	5/21/99	Goulmy	58994/RDK/JML

Robert D. Katz
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, NY 10036

1m. 1.12.02
2m.2.12.02
3m.3.12.02
4m.4.12.02
5m.5.12.02   AP
6m.6.12.02

EXAMINER	
Jehanne Souaya	
ART UNIT	PAPER NUMBER
1655	18

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

DEC 1 7 2001

This application contains sequence disclosures that are encompassed by the definitions for

nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). A computer readable

form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the

Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached CRF

Diskette Problem Report.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date

of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply

with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g).

Extensions of time may be obtained by filing a petition accompanied by the extension fee under the

provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX

MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of

the attached CRF Diskette Problem Report with the reply.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Jehanne Souaya whose telephone number is (703)308-6565. The examiner can normally be reached Monday-Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones, can be reached on (703) 308-1152. The fax phone number for this Group is (703) 305-3014.

Any inquiry of a general nature should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Jehanne Souaya

Jehanne Souaya
Patent examiner
Art Unit 1655

Dec. 11, 2001

Application No.: 09/269,250

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☑ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☐ 7. Other: _____

Applicant Must Provide:

☑ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

☑ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☑ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
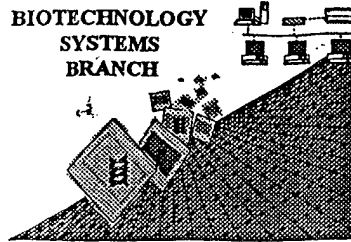PatentIn Software Program Support
        Technical Assistance......................................703-287-0200
        To Purchase PatentIn Software.......................703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

Joudayh

RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/269,250C

Source: 1600

Date Processed by STIC: 11/12/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

ReRUN

OIPE JC20
FEB. 0 8 2002
PATENT & TRADEMARK OFFICE

1600

RAW SEQUENCE LISTING   DATE: 11/12/2001
PATENT APPLICATION: US/09/269,250C   TIME: 16:22:35

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

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 3 <110> APPLICANT: Goulmy, Elsa
 5 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
 6       HA-1
 8 <130> FILE REFERENCE: 2799/58994
10 <140> CURRENT APPLICATION NUMBER: 09/269,250C
11 <141> CURRENT FILING DATE: 1999-05-21
13 <160> NUMBER OF SEQ ID NOS: 38
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 377
19 <212> TYPE: DNA
20 <213> ORGANISM: Human
22 <400> SEQUENCE: 1
23 gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60
24 ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120
25 gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
26 cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240
27 aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
28 gaatgcattt gggggccaag gtgtggggtg ccgctggtgt aggatgaagg catgacaacg 360
29 ccaggcagaa gggcaat                                            377
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
40 <400> SEQUENCE: 2
41 gtgctgcctc ctggacactg                                        20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
52 <400> SEQUENCE: 3
53 tggctctcac cgtcatgcag                                        20
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
64 <400> SEQUENCE: 4
65 tggctctcac cgtcacgcaa                                        20
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 20
70 <212> TYPE: DNA
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Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 11/12/2001
PATENT APPLICATION: US/09/269,250C   TIME: 16:22:35

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

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 71 <213> ORGANISM: Artificial Sequence
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 76 <400> SEQUENCE: 5
 77 gcattctctg tttccgtgtt                                           20
 80 <210> SEQ ID NO: 6
 81 <211> LENGTH: 20
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial Sequence
 85 <220> FEATURE:
 86 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 88 <400> SEQUENCE: 6
 89 cttaaggagt gtgtgctgca                                           20
 92 <210> SEQ ID NO: 7
 93 <211> LENGTH: 20
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
100 <400> SEQUENCE: 7
101 cttaaggagt gtgtgttgcg                                           20
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
112 <400> SEQUENCE: 8
113 gctgtcatgg cctcttccac                                           20
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
124 <400> SEQUENCE: 9
125 gcattctctg tttccgtgtt                                           20
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137 ggcagagagc cctcgcagcc                                           20
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 18
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 11/12/2001
PATENT APPLICATION: US/09/269,250C   TIME: 16:22:35

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

```
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
148 <400> SEQUENCE: 11
149 gtgtgttgcg tgacggtg                                        18
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 15
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
160 <400> SEQUENCE: 12
161 gtgtgttgcg tgacg                                           15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
172 <400> SEQUENCE: 13
173 tgtgtgttgc gtgacg                                          16
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 19
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
184 <400> SEQUENCE: 14
185 tgtgtgctgc atgacggtg                                       19
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
196 <400> SEQUENCE: 15
197 tgtgtgctgc atgacggt                                        18
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
208 <400> SEQUENCE: 16
209 gtgtgctgca tgacggtg                                        18
211 <210> SEQ ID NO: 17
212 <211> LENGTH: 27
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
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217 <221> NAME/KEY: CDS
218 <222> LOCATION: (1)..(27)
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
222         Fragments
224 <400> SEQUENCE: 17
225 gtg ttg cgt gac gac ctc ctt gag gcc                              27
226 Val Leu Arg Asp Asp Leu Leu Glu Ala
227   1               5
230 <210> SEQ ID NO: 18
231 <211> LENGTH: 9
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
237 <400> SEQUENCE: 18
238 Val Leu Arg Asp Asp Leu Leu Glu Ala
239   1               5
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 27
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <221> NAME/KEY: CDS
250 <222> LOCATION: (1)..(27)
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
254         Fragments
256 <400> SEQUENCE: 19
257 gtg ctg cat gac gac ctc ctt gag gcc                              27
258 Val Leu His Asp Asp Leu Leu Glu Ala
259   1               5
262 <210> SEQ ID NO: 20
263 <211> LENGTH: 9
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
269 <400> SEQUENCE: 20
270 Val Leu His Asp Asp Leu Leu Glu Ala
271   1               5
275 <210> SEQ ID NO: 21
276 <211> LENGTH: 23
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
282         Fragments
284 <400> SEQUENCE: 21
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insert this mandatory numeric identifier whenever <221>, <222> or <223> is shown

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001
TIME: 16:22:36

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

```
285 gtgttgcgtg acggtgagag cca                                     23
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 37
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
295       Fragments
297 <400> SEQUENCE: 22
298 ctcactccga ctctccccag cagacctcct tgaggcc                       37
300 <210> SEQ ID NO: 23
301 <211> LENGTH: 33
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
308 <400> SEQUENCE: 23
309 ccggcatgga cgtcgtcgag gacatctccc atc                           33
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 30
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
320 <400> SEQUENCE: 24
321 ctacttcagg ccacagcaat cgtctccagg                               30
323 <210> SEQ ID NO: 25
324 <211> LENGTH: 39
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <221> NAME/KEY: CDS
330 <222> LOCATION: (1)..(39)
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
335 <400> SEQUENCE: 25
336 gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc           39
337 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
338  1               5                   10
341 <210> SEQ ID NO: 26
342 <211> LENGTH: 13
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
345 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
347 <400> SEQUENCE: 26
348 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
349  1               5                   10
353 <210> SEQ ID NO: 27
```

--> 345 ⟨220⟩ FEATURE: ———————→ insert ———

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001
TIME: 16:22:37

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

;:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
;:234 M:258 W: Mandatory Feature missing, <220> FEATURE:
;:266 M:258 W: Mandatory Feature missing, <220> FEATURE:
;:345 M:258 W: Mandatory Feature missing, <220> FEATURE:
;:375 M:258 W: Mandatory Feature missing, <220> FEATURE:
;:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
;:482 M:258 W: Mandatory Feature missing, <220> FEATURE:
;:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37